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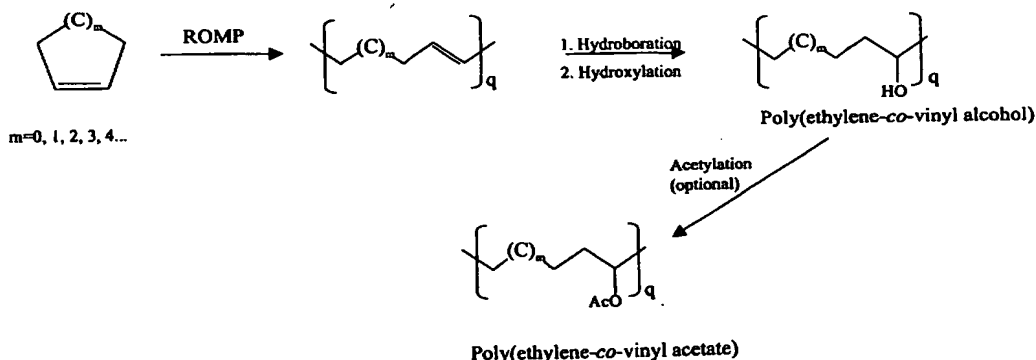
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- (74) Agent: BAI, J., Benjamin; Jenkins & Gilchrist, 1100 Louisiana, Suite 1800, Houston, TX 77002 (US).
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(54) Title: LINEAR ETHYLENE/VINYL ALCOHOL AND ETHYLENE/VINYL ACETATE POLYMERS AND PROCESS FOR MAKING SAME



(57) Abstract: A polymer comprises a repeating unit of ethylene and vinyl alcohol, characterized by a linear backbone with substantial absence of branching on the backbone. The polymer has a steady state oxygen permeability coefficient substantially independent of the humidity. In addition, a polymer comprises a repeating unit of ethylene and vinyl acetate, characterized by a linear backbone with substantial absence of branching on the backbone and a plurality of acetate groups bonded to the backbone. Some polymers comprise vinyl alcohol or acetate groups that are separated by x-2, x-1 or x carbon atoms, and such groups are present in a ratio of 1:2:1, wherein x ranges integrally from 3 to 12.

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INTERNATIONAL SEARCH REPORT

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PCT/US 7456

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 C08G61/06 C08F210/02 C08G61/08

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 C08G C08F

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 6 203 923 B1 (BANSLEBEN DONALD ALBERT ET AL) 20 March 2001 (2001-03-20) column 7, line 30 - line 44 example 7 column 9, line 50 - column 10, line 25 column 13, line 36 - line 51 column 2, line 47 - line 64 claim 1 --- -/--	1-28

☒ Further documents are listed in the continuation of box C.☒ Patent family members are listed in annex.

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
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X	RAMAKRISHNAN S: "Well-Defined Ethylene-vinyl alcohol copolymers via hydroboration: Control of composition and distributuon of hte hydroxyl groups on the polymer backbone" MACROMOLECULES, AMERICAN CHEMICAL SOCIETY. EASTON US, vol. 24, 1991, pages 3753-3759, XP002251245 *** scheme 1 *** page 3756, column 2, paragraph 1 -----	1-28
A	US 5 939 504 A (GRUBBS ROBERT H ET AL) 17 August 1999 (1999-08-17) claims 1,32,37 -----	20

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

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